



Suitable for the Audio Triax connector series

Our classic control line is used in measurement and control technology, wherever signals have to be transmitted without interference.

Construction		
Inner conductor	copper litz wire, tin-plated, AWG26/7 (7x0.16mm), diameter 0.48 mm (cross section 0.14 mm ²)	
Insulation	cell-PE + Skin-layer, diameter 1.2 mm	
Pair-stranding	two cores to one pair	
Pair-identification	a-core: white / b-core: blue	
Pair-shielding	1x aluminium composite film, aluminium layer inside, with tin-plated copper litz wire, stranded together in one gusset	
Inner diameter	2.5 mm	
Pair-Insulation	PETP-film	
Screening	copper braid, tin-plated	
Cable sheath	PVC/ gum	
Outer diameter	4.0 mm	
Tensile force N	50	
Weight kg/km	20	
Sheath colour	matt black (RAL 9005)	
Mechanical Characteristics		
Bending radius without tensile force	≥ 10 x cable diameter	
Bending radius with tensile force	≥ 15 x cable diameter	
Operating temperature range	- 30 °C up to + 70 °C	
Fire propagation	VDE 0472 part 804 type of test B u. IEC 332-1	
Electrical Characteristics		
Loop resistance (bei 20 ± 5 °C)	≤ 288 Ω/km	
Insulation resistance (bei 20 ± 5 °C und 500 V)	≥ 2000 MΩ x km	
Capacity at 800 Hz	45nF/km	
Capacity unbalance (pair/earth)	≤ 1200 pF/km	
Relative rate of propagation	ca. 78 %	
Test voltage (50 Hz, 1 min) Core/core and core/screen	700 V eff.	
Wave impedance at 6 MHz	110 Ω ± 10 %	
Coupling resistance	up to 10 MHz ≤ 10 mΩ/m	
	up to 100 MHz ≤ 10 mΩ/m	
Frequency	Near-end cross talk (measurement length: 300 m) NK Networks- measurement data	Attenuation NK Networks- measurement data
	[MHz]	[dB]
0.015	85	0.55
1.0	85	3.0
4.0	90	5.3
10.0	90	8.1
20.0	85	11.5

Part Number
13-1051-1009

The specified data serve only to describe the product and should not be considered legally binding, guaranteed properties. We reserve the right to make constructional changes, determine delivery and are not responsible for any errors and omissions.